

PATENT APPL. NO. 09/064,000

**LISTING OF CLAIMS**

Claims 1-191  
(canceled)

Claim 192  
(previously presented)

A method for producing a desired soft tissue in a body of a human patient comprising:

- (a) Placing a growth factor in said body of said human patient;
- (b) Forming a bud in said body of said human patient; and
- (c) Growing said desired soft tissue from said bud.

Claim 193  
(previously presented)

The method of claim 192, wherein said growth factor comprises organic matter.

Claim 194  
(previously presented)

The method of claim 192, wherein said growth factor comprises inorganic matter.

Claim 195  
(previously presented)

The method of claim 192, wherein said growth factor was genetically produced.

Claim 196  
(previously presented)

The method of claim 192, wherein said growth factor was genetically manipulated.

Claim 197  
(previously presented)

The method of claim 192, wherein said growth factor comprises a living organism which promotes tissue growth.

Claim 198  
(previously presented)

The method of claim 197, wherein said living organism was genetically produced.

PATENT APPL. NO. 09/064,000

Claim 199  
(previously presented)

The method of claim 197, wherein said living organism was genetically manipulated.

Claim 200  
(previously presented)

The method of claim 192, wherein said growth factor comprises platelet-derived growth factor.

Claim 201  
(previously presented)

The method of claim 192, wherein said growth factor comprises epidermal growth factor.

Claim 202  
(previously presented)

The method of claim 192, wherein said growth factor comprises fibroblast growth factor (acidic/basic)(FGF a,b).

Claim 203  
(previously presented)

The method of claim 192, wherein said growth factor comprises interleukins.

Claim 204  
(previously presented)

The method of claim 192, wherein said growth factor comprises tumor necrosis factor.

Claim 205  
(previously presented)

The method of claim 192, wherein said growth factor comprises transforming growth factor.

Claim 206  
(previously presented)

The method of claim 192, wherein said growth factor comprises colony-stimulating factor.

Claim 207  
(previously presented)

The method of claim 192, wherein said growth factor comprises osteopontin (Eta-1).

Claim 208  
(previously presented)

The method of claim 192, wherein said growth factor comprises interferon.

Claim 209  
(previously presented)

The method of claim 192, wherein said growth factor comprises bone morphogenic protein 1.

RECEIVED

MAR 05 2004

TECH CENTER 1600/2900

## PATENT APPL. NO. 09/064,000

Claim 210  
(previously presented)

The method of claim 192, wherein said growth factor comprises insulin growth factor.

Claim 211  
(previously presented)

The method of claim 192, wherein said growth factor comprises bacteria.

Claim 212  
(previously presented)

The method of claim 192, wherein said growth factor promotes self-assembly.

Claim 213  
(previously presented)

The method of claim 197, wherein said growth factor comprises virus.

Claim 214  
(previously presented)

The method of claim 192, wherein said growth factor is recombinant.

Claim 215  
(previously presented)

The method of claim 192, wherein said growth factor is non-recombinant.

Claim 216  
(previously presented)

The method of claim 192, wherein said growth factor is multifactorial.

Claim 217  
(previously presented)

The method of claim 192, wherein said growth factor is nonspecific.

Claim 218  
(previously presented)

The method of claim 192, wherein said growth factor controls cell growth.

Claim 219  
(previously presented)

The method of claim 192, wherein said growth factor controls cell migration.

Claim 220  
(previously presented)

The method of claim 192, wherein said growth factor controls cell function.

PATENT APPL. NO. 09/064,000

- Claim 221  
(previously presented)      The method of claim 192, wherein said soft tissue comprises ectodermal tissue.
- Claim 222  
(previously presented)      The method of claim 192, wherein said growth factor is applied in a carrier.
- Claim 223  
(previously presented)      The method of claim 222, wherein said carrier controls cell growth.
- Claim 224  
(previously presented)      The method of claim 222, wherein said carrier controls cell migration.
- Claim 225  
(previously presented)      The method of claim 222, wherein said carrier controls cell function.
- Claim 226  
(previously presented)      The method of claim 222, wherein said carrier is resorbable.
- Claim 227  
(previously presented)      The method of claim 222, wherein said carrier is non-resorbable.
- Claim 228  
(previously presented)      The method of claim 222, wherein said carrier comprises a gel.
- Claim 229  
(previously presented)      The method of claim 222, wherein said carrier comprises a time-release capsule.
- Claim 230  
(previously presented)      The method of claim 222, wherein said carrier comprises a granule.
- Claim 231  
(previously presented)      The method of claim 222, wherein said carrier is activated by tissue pH to release said growth factor.

PATENT APPL. NO. 09/064,000

Claim 232  
(previously presented)

The method of claim 222, wherein said carrier is activated by an enzyme to release said growth factor.

Claim 233  
(previously presented)

The method of claim 222, wherein said carrier is activated by ultrasound to release said growth factor.

Claim 234  
(previously presented)

The method of claim 222, wherein said carrier is activated by electricity to release said growth factor.

Claim 235  
(previously presented)

The method of claim 222, wherein said carrier is activated by heat to release said growth factor.

Claim 236  
(previously presented)

The method of claim 222, wherein said carrier is activated by an in vivo chemical to release said growth factor.

Claim 237  
(previously presented)

The method of claim 192, wherein said growth factor is activated by tissue pH.

Claim 238  
(previously presented)

The method of claim 192, wherein said growth factor is activated by an enzyme.

Claim 239  
(previously presented)

The method of claim 192, wherein said growth factor is activated by ultrasound.

Claim 240  
(previously presented)

The method of claim 192, wherein said growth factor is activated by electricity.

Claim 241  
(previously presented)

The method of claim 192, wherein said growth factor is activated by heat.

Claim 242  
(previously presented)

The method of claim 192, wherein said growth factor is activated by an in vivo chemical.

PATENT APPL. NO. 09/064,000

Claim 243  
(previously presented)

The method of claim 192, wherein said growth factor is orally placed in said body.

Claim 244  
(previously presented)

The method of claim 192, wherein said growth factor is systemically placed in said body.

Claim 245  
(previously presented)

The method of claim 192, wherein said growth factor is placed into said body by injection.

Claim 246  
(previously presented)

The method of claim 192, wherein said growth factor is placed into said body through the respiratory tract.

Claim 247  
(previously presented)

The method of claim 192, wherein said growth factor is placed in said body by first making an incision in said body and then inserting said growth factor through said incision.

Claim 248  
(previously presented)

The method of claim 192, wherein said growth factor is placed in a localized portion of said body.

Claim 249  
(previously presented)

The method of claim 192, wherein said growth factor is placed throughout said body.

Claim 250  
(previously presented)

The method of claim 249, wherein said growth factor is distributed in a uniform concentration throughout said body.

Claim 251  
(previously presented)

The method of claim 249, wherein said growth factor is distributed in a non-uniform concentration throughout said body.

Claim 252  
(previously presented)

The method of claim 192, wherein said growth factor controls three-dimensional protein structure and growth.

PATENT APPL. NO. 09/064,000

Claim 253  
(previously presented)

A method for producing a desired soft tissue comprising mesodermal tissue in a body of a human patient comprising:

- (a) Placing a growth factor in said body of said human patient;
- (b) Forming a bud in said body of said human patient; and
- (c) Growing said desired mesodermal tissue from said bud.

Claim 254  
(previously presented)

The method of claim 253, wherein said growth factor comprises organic matter.

Claim 255  
(previously presented)

The method of claim 253, wherein said growth factor comprises inorganic matter.

Claim 256  
(previously presented)

The method of claim 253, wherein said growth factor was genetically produced.

Claim 257  
(previously presented)

The method of claim 253, wherein said growth factor was genetically manipulated.

Claim 258  
(previously presented)

The method of claim 253, wherein said growth factor comprises a living organism which promotes tissue growth.

Claim 259  
(previously presented)

The method of claim 258, wherein said living organism was genetically produced.

Claim 260  
(previously presented)

The method of claim 258, wherein said living organism was genetically manipulated.

PATENT APPL. NO. 09/064,000

- Claim 261  
(previously presented)      The method of claim 253, wherein said growth factor comprises platelet-derived growth factor.
- Claim 262  
(previously presented)      The method of claim 253, wherein said growth factor comprises epidermal growth factor.
- Claim 263  
(previously presented)      The method of claim 253, wherein said growth factor comprises fibroblast growth factor (acidic/basic)(FGF a,b).
- Claim 264  
(previously presented)      The method of claim 253, wherein said growth factor comprises interleukins.
- Claim 265  
(previously presented)      The method of claim 253, wherein said growth factor comprises tumor necrosis factor.
- Claim 266  
(previously presented)      The method of claim 253, wherein said growth factor comprises transforming growth factor.
- Claim 267  
(previously presented)      The method of claim 253, wherein said growth factor comprises colony-stimulating factor.
- Claim 268  
(previously presented)      The method of claim 253, wherein said growth factor comprises osteopontin (Eta-1).
- Claim 269  
(previously presented)      The method of claim 253, wherein said growth factor comprises interferon.
- Claim 270  
(previously presented)      The method of claim 253, wherein said growth factor comprises bone morphogenic protein 1.
- Claim 271  
(previously presented)      The method of claim 253, wherein said growth factor comprises insulin growth factor.



PATENT APPL. NO. 09/064,000

Claim 272  
(previously presented)

The method of claim 253, wherein said growth factor comprises bacteria.

Claim 273  
(previously presented)

The method of claim 253, wherein said growth factor promotes self-assembly.

Claim 274  
(previously presented)

The method of claim 258, wherein said growth factor comprises virus.

Claim 275  
(previously presented)

The method of claim 253, wherein said growth factor is recombinant.

Claim 276  
(previously presented)

The method of claim 253, wherein said growth factor is non-recombinant.

Claim 277  
(previously presented)

The method of claim 253, wherein said growth factor is multifactorial.

Claim 278  
(previously presented)

The method of claim 253, wherein said growth factor is nonspecific.

Claim 279  
(previously presented)

The method of claim 253, wherein said growth factor controls cell growth.

Claim 280  
(previously presented)

The method of claim 253, wherein said growth factor controls cell migration.

Claim 281  
(previously presented)

The method of claim 253, wherein said growth factor controls cell function.

Claim 282  
(previously presented)

The method of claim 253, wherein said soft tissue includes ectodermal tissue.

PATENT APPL. NO. 09/064,000

Claim 283  
(previously presented)

The method of claim 253, wherein said growth factor is applied in a carrier.

Claim 284  
(previously presented)

The method of claim 283, wherein said carrier controls cell growth.

Claim 285  
(previously presented)

The method of claim 283, wherein said carrier controls cell migration.

Claim 286  
(previously presented)

The method of claim 283, wherein said carrier controls cell function.

Claim 287  
(previously presented)

The method of claim 283, wherein said carrier is resorbable.

Claim 288  
(previously presented)

The method of claim 283, wherein said carrier is non-resorbable.

Claim 289  
(previously presented)

The method of claim 283, wherein said carrier comprises a gel.

Claim 290  
(previously presented)

The method of claim 283, wherein said carrier comprises a time-release capsule.

Claim 291  
(previously presented)

The method of claim 283, wherein said carrier comprises a granule.

Claim 292  
(previously presented)

The method of claim 283, wherein said carrier is activated by tissue pH to release said growth factor.

Claim 293  
(previously presented)

The method of claim 283, wherein said carrier is activated by an enzyme to release said growth factor.

PATENT APPL. NO. 09/064,000

Claim 294  
(previously presented)

The method of claim 283, wherein said carrier is activated by ultrasound to release said growth factor.

Claim 295  
(previously presented)

The method of claim 283, wherein said carrier is activated by electricity to release said growth factor.

Claim 296  
(previously presented)

The method of claim 283, wherein said carrier is activated by heat to release said growth factor.

Claim 297  
(previously presented)

The method of claim 283, wherein said carrier is activated by an in vivo chemical to release said growth factor.

Claim 298  
(previously presented)

The method of claim 253, wherein said growth factor is activated by tissue pH.

Claim 299  
(previously presented)

The method of claim 253, wherein said growth factor is activated by an enzyme.

Claim 300  
(previously presented)

The method of claim 253, wherein said growth factor is activated by ultrasound.

Claim 301  
(previously presented)

The method of claim 253, wherein said growth factor is activated by electricity.

Claim 302  
(previously presented)

The method of claim 253, wherein said growth factor is activated by heat.

Claim 303  
(previously presented)

The method of claim 253, wherein said growth factor is activated by an in vivo chemical.

Claim 304  
(previously presented)

The method of claim 253, wherein said growth factor is orally placed in said body.

PATENT APPL. NO. 09/064,000

Claim 305  
(previously presented)

The method of claim 253, wherein said growth factor is systemically placed in said body.

Claim 306  
(previously presented)

The method of claim 253, wherein said growth factor is placed into said body by injection.

Claim 307  
(previously presented)

The method of claim 253, wherein said growth factor is placed into said body through the respiratory tract.

Claim 308  
(previously presented)

The method of claim 253, wherein said growth factor is placed in said body by first making an incision in said body and then inserting said growth factor through said incision.

Claim 309  
(previously presented)

The method of claim 253, wherein said growth factor is placed in a localized portion of said body.

Claim 310  
(previously presented)

The method of claim 253, wherein said growth factor is placed throughout said body.

Claim 311  
(previously presented)

The method of claim 310, wherein said growth factor is distributed in a uniform concentration throughout said body.

Claim 312  
(previously presented)

The method of claim 310, wherein said growth factor is distributed in a non-uniform concentration throughout said body.

Claim 313  
(previously presented)

The method of claim 253, wherein said growth factor controls three-dimensional protein structure and growth.

PATENT APPL. NO. 09/064,000

Claim 314  
(previously presented)

A method for producing a desired soft tissue comprising a blood vessel in a body of a human patient comprising:

- (a) Placing a growth factor in said body of said human patient;
- (b) Forming a bud in said body of said human patient; and
- (c) Growing said desired blood vessel from said bud.

Claim 315  
(previously presented)

The method of claim 314, wherein said growth factor comprises organic matter.

Claim 316  
(previously presented)

The method of claim 314, wherein said growth factor comprises inorganic matter.

Claim 317  
(previously presented)

The method of claim 314, wherein said growth factor was genetically produced.

Claim 318  
(previously presented)

The method of claim 314, wherein said growth factor was genetically manipulated.

Claim 319  
(previously presented)

The method of claim 314, wherein said growth factor comprises a living organism which promotes tissue growth.

Claim 320  
(previously presented)

The method of claim 319, wherein said living organism was genetically produced.

Claim 321  
(previously presented)

The method of claim 319, wherein said living organism was genetically manipulated.

Claim 322  
(previously presented)

The method of claim 314, wherein said growth factor comprises platelet-derived growth factor.

PATENT APPL. NO. 09/064,000

Claim 323  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises epidermal growth factor.

Claim 324  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises fibroblast growth factor (acidic/basic)(FGF a,b).

Claim 325  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises interleukins.

Claim 326  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises tumor necrosis factor.

Claim 327  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises transforming growth factor.

Claim 328  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises colony-stimulating factor.

Claim 329  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises osteopontin (Eta-1).

Claim 330  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises interferon.

Claim 331  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises bone morphogenic protein 1.

Claim 332  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises insulin growth factor.

Claim 333  
(previously presented)

The method of claim 314, wherein said growth factor  
comprises bacteria.

## PATENT APPL. NO. 09/064,000

Claim 334  
(previously presented)

The method of claim 314, wherein said growth factor promotes self-assembly.

Claim 335  
(previously presented)

The method of claim 319, wherein said growth factor comprises virus.

Claim 336  
(previously presented)

The method of claim 314, wherein said growth factor is recombinant.

Claim 337  
(previously presented)

The method of claim 314, wherein said growth factor is non-recombinant.

Claim 338  
(previously presented)

The method of claim 314, wherein said growth factor is multifactorial.

Claim 339  
(previously presented)

The method of claim 314, wherein said growth factor is nonspecific.

Claim 340  
(previously presented)

The method of claim 314, wherein said growth factor controls cell growth.

Claim 340  
(previously presented)

The method of claim 314, wherein said growth factor controls cell migration.

Claim 342  
(previously presented)

The method of claim 314, wherein said growth factor controls cell function.

Claim 343  
(previously presented)

The method of claim 314, wherein said blood vessel comprises ectodermal tissue.

Claim 344  
(previously presented)

The method of claim 314, wherein said blood vessel comprises mesodermal tissue.

PATENT APPL. NO. 09/064,000

- Claim 345  
(previously presented)      The method of claim 314, wherein said growth factor is applied in a carrier.
- Claim 346  
(previously presented)      The method of claim 345, wherein said carrier controls cell growth.
- Claim 347  
(previously presented)      The method of claim 345, wherein said carrier controls cell migration.
- Claim 348  
(previously presented)      The method of claim 345, wherein said carrier controls cell function.
- Claim 349  
(previously presented)      The method of claim 345, wherein said carrier is resorbable.
- Claim 350  
(previously presented)      The method of claim 345, wherein said carrier is non-resorbable.
- Claim 351  
(previously presented)      The method of claim 345, wherein said carrier comprises a gel.
- Claim 352  
(previously presented)      The method of claim 345, wherein said carrier comprises a time-release capsule.
- Claim 353  
(previously presented)      The method of claim 345, wherein said carrier comprises a granule.
- Claim 354  
(previously presented)      The method of claim 345, wherein said carrier is activated by tissue pH to release said growth factor.
- Claim 355  
(previously presented)      The method of claim 345, wherein said carrier is activated by an enzyme to release said growth factor.



PATENT APPL. NO. 09/064,000

- Claim 356  
(previously presented)      The method of claim 345, wherein said carrier is activated by ultrasound to release said growth factor.
- Claim 357  
(previously presented)      The method of claim 345, wherein said carrier is activated by electricity to release said growth factor.
- Claim 358  
(previously presented)      The method of claim 345, wherein said carrier is activated by heat to release said growth factor.
- Claim 359  
(previously presented)      The method of claim 345, wherein said carrier is activated by an in vivo chemical to release said growth factor.
- Claim 360  
(previously presented)      The method of claim 314, wherein said growth factor is activated by tissue pH.
- Claim 361  
(previously presented)      The method of claim 314, wherein said growth factor is activated by an enzyme.
- Claim 362  
(previously presented)      The method of claim 314, wherein said growth factor is activated by ultrasound.
- Claim 363  
(previously presented)      The method of claim 314, wherein said growth factor is activated by electricity.
- Claim 364  
(previously presented)      The method of claim 314, wherein said growth factor is activated by heat.
- Claim 365  
(previously presented)      The method of claim 314, wherein said growth factor is activated by an in vivo chemical.
- Claim 366  
(previously presented)      The method of claim 314, wherein said growth factor is orally placed in said body.

PATENT APPL. NO. 09/064,000

Claim 367  
(previously presented)

The method of claim 314, wherein said growth factor is systemically placed in said body.

Claim 368  
(previously presented)

The method of claim 314, wherein said growth factor is placed into said body by injection.

Claim 369  
(previously presented)

The method of claim 314, wherein said growth factor is placed into said body through the respiratory tract.

Claim 370  
(previously presented)

The method of claim 314, wherein said growth factor is placed in said body by first making an incision in said body and then inserting said growth factor through said incision.

Claim 371  
(previously presented)

The method of claim 314, wherein said growth factor is placed in a localized portion of said body.

Claim 372  
(previously presented)

The method of claim 314, wherein said growth factor is placed throughout said body.

Claim 373  
(previously presented)

The method of claim 372, wherein said growth factor is distributed in a uniform concentration throughout said body.

Claim 374  
(previously presented)

The method of claim 372, wherein said growth factor is distributed in a non-uniform concentration throughout said body.

Claim 375  
(previously presented)

The method of claim 314, wherein said growth factor controls three-dimensional protein structure and growth.

Claim 376  
(new)

The method of claim 192, wherein said growth factor is multifactorial and nonspecific.

PATENT APPL. NO. 09/064,000

Claim 377  
(new)

The method of claim 253, wherein said growth factor is multifactorial and nonspecific.

Claim 378  
(new)

The method of claim 314, wherein said growth factor is multifactorial and nonspecific.

Claim 379  
(new)

The method of claim 197, wherein said growth factor is multifactorial and nonspecific.

Claim 380  
(new)

The method of claim 258, wherein said growth factor is multifactorial and nonspecific.

Claim 381  
(new)

The method of claim 319, wherein said growth factor is multifactorial and nonspecific.